

# STANDARD INSPECTION REPORT OF A GAS OPERATOR FIELD AUDIT

## FIELD AUDIT

Unless otherwise noted, all code references are to 49CFR Part 192.  
If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

<b>Operator: AMEREN ILLINOIS COMPANY</b>	Operator ID#: 32513
<b>Inspection Date(s): 3/17/2015, 3/18/2015</b>	Man Days: 2
<b>Inspection Unit: Hoopeston</b>	
<b>Location of Audit: Hoopeston, Henning, Armstrong, East Lynn, Alvin, Danville</b>	
<b>Exit Meeting Contact: Steve Barkley</b>	
<b>Inspection Type: Standard Inspection - Field Audit</b>	
<b>Pipeline Safety Representative(s): Aaron McElravy</b>	
<b>Company Representative to Receive Report: Michael Fuller</b>	
<b>Company Representative's Email Address: mfuller2@ameren.com</b>	

<b>Headquarters Address Information:</b>	300 Liberty Peoria, IL 61602 Emergency Phone#: (800) 755-5000 Fax#:	
<b>Official or Mayor's Name:</b>	Ron Pate Phone#: (217) 424-6518 Email:	
<b>Inspection Contact(s)</b>	<b>Title</b>	<b>Phone No.</b>
Steve Barkley	Gas Supervisor	(217) 431-9720
Robert Roth	Senior Gas Compliance	(217) 778-0785

CUSTOMER METER & REGULATOR				Status
<b><u>Category Comment:</u></b>				
Customer meters were inspected at the following locations to ensure the facilities were protected from damage, proper venting requirements, meter case ratings, stress on connected piping and service line valve requirements.				
<i>Meter #</i>	<i>Location</i>	<i>Meter #</i>	<i>Location</i>	
#2150977	810 E. Orange St. Hoopeston	#21011735	836 E. Orange St. Hoopeston	
#3710128	840 E. Orange St. Hoopeston	#19701588	837 E. Chestnut St. Hoopeston	
#21011761	823 E. Chestnut St. Hoopeston	#1336528	Hoopeston High School	
#9527205	John Greer Jr. High School	#95090970	725 West Main Hoopeston	
#2149851	727 West Main Hoopeston	#2721190	721 Penn Street Hoopeston	
#20710069	709 Penn Street Hoopeston	#00012468	808 E. Orange St. Hoopeston	
#1088581	707 Penn Street Hoopeston	#21428613	802 W. Penn	
#1872919	833 E. Chestnut	#294804	829 E. Chestnut	
#3710365	812 E. Orange	#9800273	826 E. Orange	

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[192.353(a)]	Is the customer meter and regulator installed in a readily accessible location and protected from corrosion and other damage, including if installed outside a building, vehicular damage that may be anticipated?	<b>Satisfactory</b>
[192.355(b)(1)]	Is the customer regulator vent rain and insect resistant?	<b>Satisfactory</b>
[192.355(b)(2)]	Is the customer regulator vent located where gas from the vent escapes freely into the atmosphere and away from building openings?	<b>Satisfactory</b>
[192.355(b)(3)]	Is the vent protected from damage caused by submergence in areas of flooding?	<b>Satisfactory</b>
[192.357(a)]	Is the customer meter and regulator installed to minimize anticipated stresses upon connecting piping?	<b>Satisfactory</b>
[192.357(d)]	Is a customer regulator that might release gas vented to the outside atmosphere?	<b>Satisfactory</b>
[192.359(a)]	Is the meter operating pressure within the allowable limits of the meter case rating?	<b>Satisfactory</b>
[192.365(a)]	Is the service line valve upstream of the regulator or meter?	<b>Satisfactory</b>
[192.365(c)]	Is the underground service line valve located in a curb box or standpipe that allows for ready operation?	<b>Satisfactory</b>

**General Comment:**

*During the field audit the following underground valves were identified.*

1101 North Gilbert Street Danville- Garfield Grade School  
1201 North Vermilion Street Danville-Edison Elementary School

[192.727(d)]	When service to the customer has been discontinued has the proper method been utilized to prevent unauthorized usage?	<b>Satisfactory</b>
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**General Comment:**

*Staff verified the following customer meters contained the proper disconnection methods to prevent unauthorized usage.*

606 Warrington St, Danville- Meter #4TC01112  
603 Warrington St, Danville-Riser

<b>CATHODIC PROTECTION</b>		<b>Status</b>
[192.463(a)]	Is the applicable cathodic protection criteria contained in Appendix D of this part being followed?	<b>Satisfactory</b>
[192.465(a)]	Were pipe to soil readings taken?	<b>Satisfactory</b>

**General Comment:**

*Pipe to soil readings were obtained at the following locations during the field audit.*

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Test Point / Meter #	Location	Reading
Station ID 415007	Henning	-.952volts
Station ID 415004	Armstrong	-1.35volts
#00012468	808 E. Orange St. Hoopeston	-1.16volts
#2150977	810 E. Orange St. Hoopeston	-1.18volts
#21011735	836 E. Orange St. Hoopeston	-1.18volts
#3710128	840 E. Orange St. Hoopeston	-1.17volts
#19701588	837 E. Chestnut St. Hoopeston	-1.17volts
#21011761	823 E. Chestnut St. Hoopeston	-1.17volts
#1336528	Hoopeston High School	-1.196volts
#9527205	John Greer Jr. High School	-1.34volts
#95090970	725 West Main Hoopeston	-1.28volts
#2149851	727 West Main Hoopeston	-1.31volts
#2721190	721 Penn Street Hoopeston	-.963volts
#20710069	709 Penn Street Hoopeston	-1.21volts
#1088581	707 Penn Street Hoopeston	-1.14volts

[192.465(b)]	Were rectifier installations inspected?	Not Applicable
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**General Comment:**

The Ameren Hoopeston location does not contain a rectifier.

[192.465(a)]	Were isolated mains/services tested?	Satisfactory
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**General Comment:**

The following isolated services were inspected in Hoopeston during the field audit.

Test Point ID	Location	Reading
#HO-SP970004211	825 E. Chestnut	-1.175volts
#HO-SP596903931	802 W. Penn	-1.11volts
#HO-SP670004251	833 E. Chestnut	-1.17volts
#HO-SP770004281	829 E. Chestnut	-1.17volts
#HO-SP100004321	812 E. Orange	-1.18volts
#HO-SP200004351	826 E. Orange	-1.17volts

[192.465(c)]	Were critical/non critical bonds tested?	Satisfactory
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**General Comment:**

The Ameren Hoopeston location contains 1 critical bond, the following readings were obtained.

Test Point ID 41510608- East Lynn -2.80volts

[192.467(a)]	Is electrical isolation provided by use of insulated meter spud, valve, union, or flange?	Satisfactory
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**General Comment:**

All facilities listed were checked for proper isolation methods.

[192.467(c)]	Were casings installations tested for electrical isolation?	Satisfactory
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**General Comment:**

Staff checked the following casings for electrical isolation during the field audit.

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7th & Route 9 Hoopeston Casing -1.33volts / Pipe to soil -1.34volts (Additional testing was conducted to ensure the casing was not shorted)

819 Route 9 Hoopeston Casing -60volts / Pipe to soil -1.20volts

[192.479(a)]	Is the above ground piping coated or painted as required?	Satisfactory
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**General Comment:**

All facilities listed were inspected for the proper coatings.

[192.479(c)]	Is the pipeline free of corrosion or pitting?	Satisfactory
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**General Comment:**

All pipeline components listed were free of corrosion or pitting.

DAMAGE PREVENTION		Status
[192.614]	Does the operator have a valid notification of planned excavation activities?	Satisfactory

**General Comment:**

Staff verified marking of facilities at the following locations during the field audit.

Locate # X0691551- 802 W. Washington Street Hoopeston, IL  
Locate #A0720129- 715 E. Chestnut Street Hoopeston, IL

[265.40(a)]	Did the operator complete the locating activities in the specified timeframe?	Satisfactory
[192.614(c)(5)]	Were temporary markings made in accordance with the operator's Operation and Maintenance Manual?	Satisfactory
[192.707(a)(1)]	Are line markers placed and maintained as close as practical over each buried main and transmission line located at each crossing of a public road and railroad?	Satisfactory

**General Comment:**

Staff checked for the placement of line markers at various locations during the field audit. Staff verified labeling requirements at the following locations.

Route 19 & Route 136-Henning  
Route 36 & Route 1-Henning  
14697 Route 36-Henning

[192.707(a)(2)]	Are line markers placed and maintained as close as practical over each buried main and transmission line located wherever necessary to identify the location of the transmission line or main to reduce the possibility of damage or interference?	Satisfactory
[192.707(c)]	Are line markers placed and maintained as close as practical over each main and transmission line located above ground?	Satisfactory
[192.707(d)(1)]	Do the operator's line markers contain the following information: The following must be written legibly on a background of sharply contrasting color on each line marker: The word "Warning," "Caution," or "Danger" followed by the words "Gas (or name of gas transported) Pipeline" all of which, except for markers in heavily	Satisfactory

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	developed urban areas, must be in letters at least 1 inch (25 millimeters) high with ¼ inch (6.4 millimeters) stroke?																																									
[192.707(d)(2)]	Do the operator's line markers contain the following information: The following must be written legibly on a background of sharply contrasting color on each line marker: The name and phone number (including area code) of the operator where the operator can be reached at all times?	<b>Satisfactory</b>																																								
<b>PRESSURE LIMITING AND REGULATING DEVICES (MECHANICAL)</b>		<b>Status</b>																																								
[192.739(a)(4)]	Was each pressure limiting station, relief device (except rupture discs), and pressure regulating station and its equipment subjected at intervals not exceeding 15 months, but at least once each calendar year, to inspections and tests to determine that it is properly installed and protected from dirt, liquids, or other conditions that might prevent proper operation.?	<b>Satisfactory</b>																																								
<b>General Comment:</b> <i>Staff inspected the following pressure limiting and regulating equipment to ensure facilities were protected from damage, operating pressures and set points, pipe supports, venting requirements and isolation of stop valves to prevent unauthorized operation.</i>																																										
<table border="1"> <thead> <tr> <th>Station ID</th><th>Location</th><th>Outlet MAOP</th><th>Set Pressures</th></tr> </thead> <tbody> <tr> <td>#415002</td><td>Alvin</td><td>60psig</td><td>53psig</td></tr> <tr> <td>#415019</td><td>Henning #1</td><td>100psig</td><td>90psig</td></tr> <tr> <td>#415019</td><td>Henning #2</td><td>60psig</td><td>55psig</td></tr> <tr> <td>#415007</td><td>Henning</td><td>60psig</td><td>50psig</td></tr> <tr> <td>#415003</td><td>Armstrong</td><td>300psig</td><td>145psig</td></tr> <tr> <td>#415004</td><td>Armstrong</td><td>25psig</td><td>20psig</td></tr> <tr> <td>#415005</td><td>East Lynn</td><td>300psig</td><td>145psig</td></tr> <tr> <td>#415006</td><td>East Lynn</td><td>40psig</td><td>30psig</td></tr> <tr> <td>#415001</td><td>Hoopeston</td><td>125psig</td><td>60psig</td></tr> </tbody> </table>			Station ID	Location	Outlet MAOP	Set Pressures	#415002	Alvin	60psig	53psig	#415019	Henning #1	100psig	90psig	#415019	Henning #2	60psig	55psig	#415007	Henning	60psig	50psig	#415003	Armstrong	300psig	145psig	#415004	Armstrong	25psig	20psig	#415005	East Lynn	300psig	145psig	#415006	East Lynn	40psig	30psig	#415001	Hoopeston	125psig	60psig
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[192.317(b)]	Is each above ground transmission line or main protected from accidental damage by vehicular traffic or other similar causes?	<b>Satisfactory</b>																																								
[192.741(a), 192.741(c)]	Were telemetering and/or recording gauges inspected for abnormally high or low pressure indications?	<b>Satisfactory</b>																																								
[192.743(a)]	Is overpressure protection provided on the pipeline down stream of the take point?	<b>Not Checked</b>																																								
<b>General Comment:</b> <i>Ameren has identified locations requiring additional protection and has devised a plan to add additional facilities downstream of the take point. Ameren is periodically providing Staff with updates regarding the progress.</i>																																										
[192.199(d)]	Were the pressure relief or pressure limiting devices inspected to determine if the support was made of noncombustible material?	<b>Satisfactory</b>																																								
[192.199(e)]	Were the pressure relief or pressure limiting devices inspected to determine if the discharge stacks, vents, or outlet ports were designed to prevent accumulation of water, ice, or snow, and located where gas can be discharged into the atmosphere without undue hazard?	<b>Satisfactory</b>																																								
[192.199(h)]	Was each valve, designed to isolate the system under protection from its source of pressure, secured to prevent unauthorized operation of any stop valve that will	<b>Satisfactory</b>																																								

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	make the pressure relief valve or pressure limiting device inoperative?																	
<b>VALVE MAINTENANCE</b>		<b>Status</b>																
[192.747(a)]	Were the valves readily accessible and was the operator able to access the valve with the appropriate valve wrench?	<b>Satisfactory</b>																
<p><u><b>General Comment:</b></u></p> <p>The following valves were checked for accessibility during the field audit.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">Valve ID</td> <td>Location</td> </tr> <tr> <td>Henning #1</td> <td>Henning</td> </tr> <tr> <td>Henning #2</td> <td>Henning</td> </tr> <tr> <td>T-961</td> <td>Henning</td> </tr> <tr> <td>T-937</td> <td>Armstrong</td> </tr> <tr> <td>T-926</td> <td>East Lynn</td> </tr> <tr> <td>T-953</td> <td>Hoopeston</td> </tr> <tr> <td>T-952</td> <td>Hoopeston</td> </tr> </table>			Valve ID	Location	Henning #1	Henning	Henning #2	Henning	T-961	Henning	T-937	Armstrong	T-926	East Lynn	T-953	Hoopeston	T-952	Hoopeston
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<b>ODORIZATION OF GAS</b>		<b>Status</b>																
[192.625(a)]	Was the odor intensity level readily detectable at or below 1/5th LEL?	<b>Satisfactory</b>																
<p><u><b>General Comment:</b></u></p> <p>During the field audit an odorant intensity reading of .24% gas in air was obtained from 609 West Main in Hoopeston IL.</p> <p>John Greer Jr. High School- Meter #9527205</p>																		
[192.625(e)]	Was the Odorization equipment and tank levels inspected?	<b>Satisfactory</b>																
<p><u><b>General Comment:</b></u></p> <p>Staff inspected odorant equipment and tank levels at the following locations during the field audit.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">Station ID</td> <td>Location</td> </tr> <tr> <td>#415019</td> <td>Henning</td> </tr> <tr> <td>#415003</td> <td>Armstrong</td> </tr> <tr> <td>#415005</td> <td>East Lynn</td> </tr> </table>			Station ID	Location	#415019	Henning	#415003	Armstrong	#415005	East Lynn								
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[192.625(f)]	Was the operator's equipment calibrated as required?	<b>Satisfactory</b>																
<p><u><b>General Comment:</b></u></p> <p>The equipment utilized to obtain the odorant reading was a Heath Odorator, Serial #990 Calibration due 8-7-2015.</p>																		
<b>TRANSMISSION</b>		<b>Status</b>																
[192.179(b)(1)]	Are transmission valves protected from tampering or damage?	<b>Not Applicable</b>																
<p><u><b>General Comment:</b></u></p> <p>The Ameren Hoopeston inspection unit does not contain transmission pipelines.</p>																		
[192.745(a)]	Were the valves inspected accessible?	<b>Not Applicable</b>																
<p><u><b>General Comment:</b></u></p> <p>The Ameren Hoopeston inspection unit does not contain transmission pipelines.</p>																		
[192.719(a)]	Is pre-tested transmission pipe inventory maintained for use in an emergency?	<b>Not Applicable</b>																

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<b><u>General Comment:</u></b>		
<i>The Ameren Hoopeston inspection unit does not contain transmission pipelines or maintain pre-tested transmission pipe for repairs.</i>		
[192.179(c)]	If blow down activities were observed, were the blow down valves properly sized to allow the transmission pipeline to vent as rapidly as practicable and did the blow down vent freely to atmosphere away from any hazards?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
<i>The Ameren Hoopeston inspection unit does not contain transmission pipelines.</i>		
<b>MARKING OF MATERIAL</b>		<b>Status</b>
[192.63(a)]	Does the operator's components and pipe contain the required markings?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>During the field audit all pipeline components listed contained the required markings.</i>		
<b>OPERATOR QUALIFICATION</b>		<b>Status</b>
Was a PHMSA Form 15 Operator Qualification Field Inspection Protocol Form completed?		<b>No</b>
<b><u>General Comment:</u></b>		
<i>Staff did not complete a PHMSA Form 15 during the field audit, Staff verified OQ qualifications of individuals performing covered tasks during the field audit.</i> <i>Harry Mills (Regulator Tech)-OQ date 6-20-2014</i> <i>Joseph Hermansa(Corrosion Tech)-OQ date 4-15-2014</i>		

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